

NASA EHRS

Electronic Health Record System

Status of the EHRS Initiative

Lake Tahoe, NV

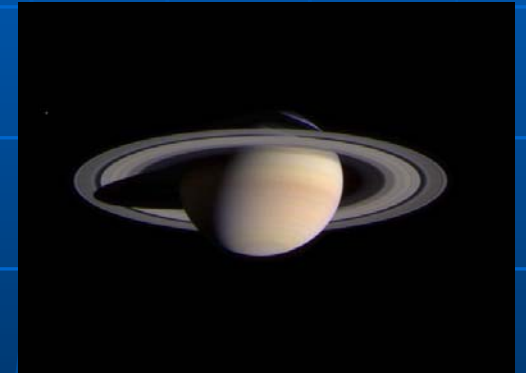
1 July 2005

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Whence EHRS?

- Three (or thirty) years and progressing
- Assessment of current NASA OH services
- Dedicated Task Force
- Benchmarks of existing EHRS
- Commercial options
- Consultants and advisors
- Federal (IHS) option (July 2004 – April 2005)



Why EHRS?



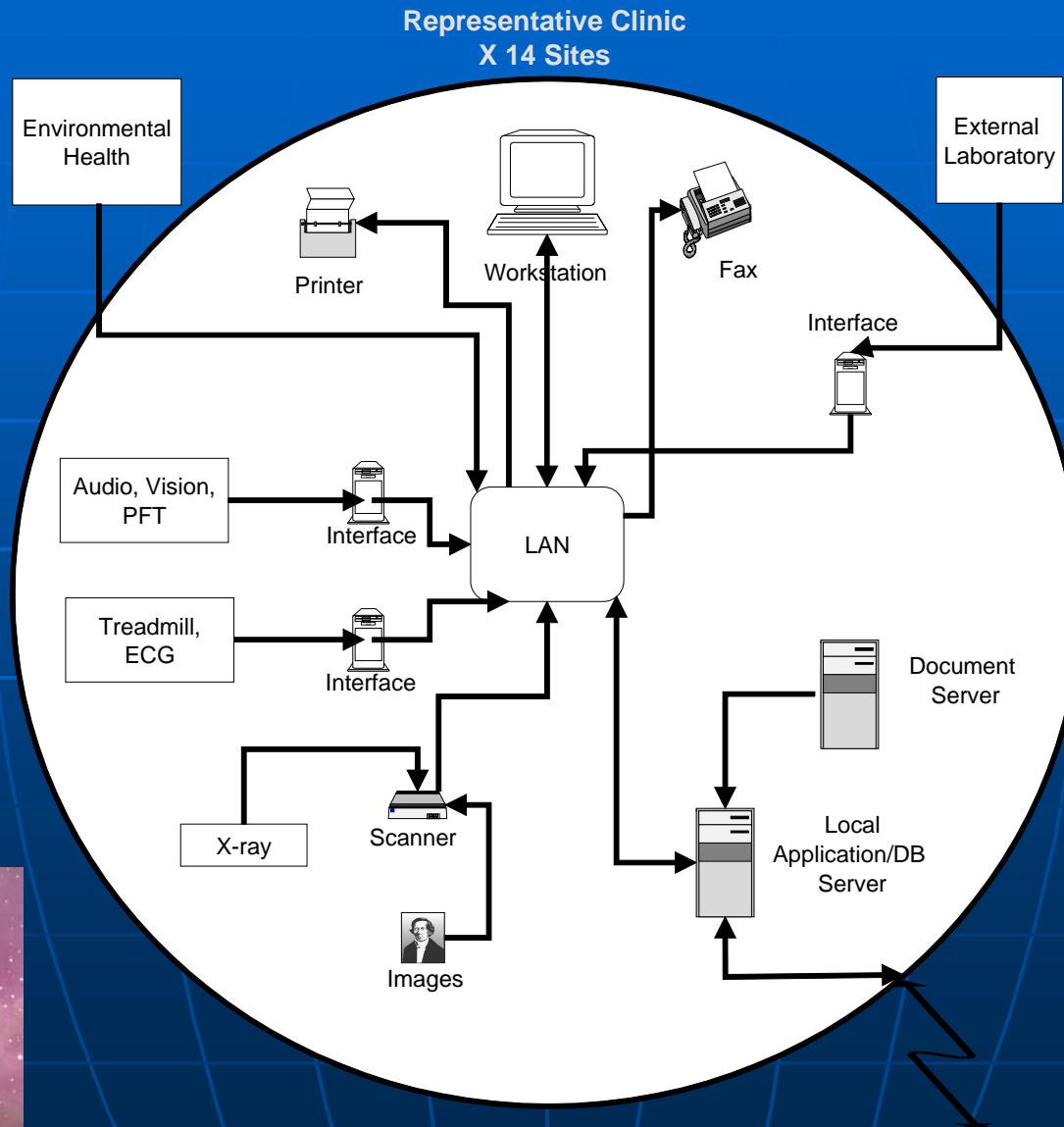
- Renewed challenge
- Federal “e”-initiative
- Augmented occupational health services
- Efficiencies and new capabilities
- Improved employee health
- Objective measures to document benefit
- Longitudinal work force assessment

Whither EHRS?

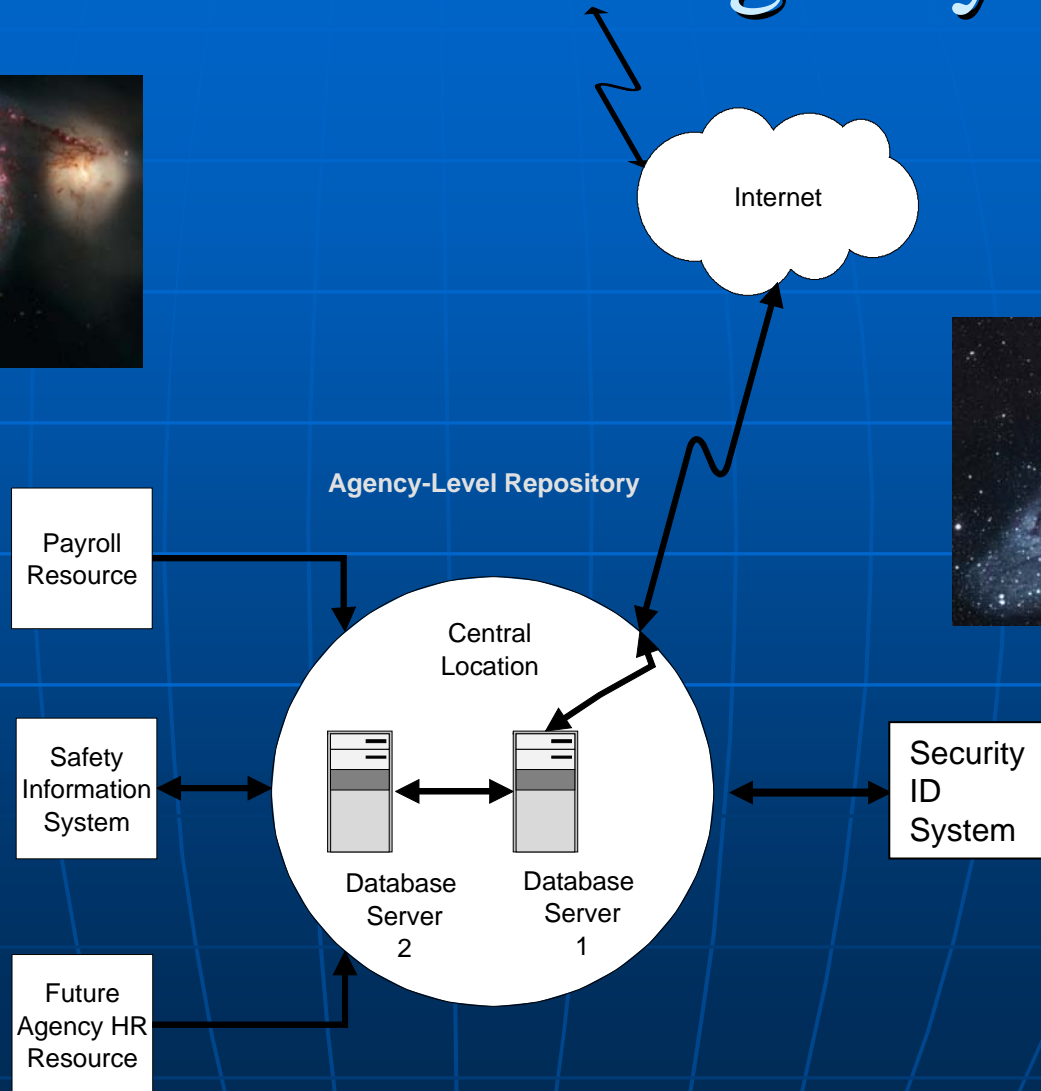
- Document NASA OH requirements
- Contract with development vendor
- Customize IHS RPMS for NASA OH setting
- Upgrade medical test systems for evaluation data
- Design/emplace connectivity infrastructure
- Assure integrity, security, and maintenance of data
- Train users
- Deploy and activate EHRS in Center clinics
- Operate and maintain EHRS
- Optimize use of the EHRS



EHRS Architecture - NASA Clinic Level



EHRS Architecture - Agency Level



Where are we with EHRS now?

Ongoing Tasks

- Negotiation of contract (SOW) with software vendor (CIAI)
- Development of OH Module
- Customization of EHRS for NASA clinical environment
 - User levels, access
 - **Standardizations: nomenclature, pharmacopoeia, forms, etc.**
 - **Automation and single entry of singular data**
 - **Pull-down menus**
 - **Alerts, reminders, sign-off limitations**
 - **Notifications**
 - **Reports**
- Risk assessment and security plan
- Determining specifications and sources for medical test hardware and for computer elements
- Establishing connectivity interface(s) and implementation
- User training plan and deployment plans



Schedule for NASA EHRS

Based on 1 July 2005 Projections

- 15 June 05 Test equipment ordered
- 15 July 05 Vendor contract activated
- 15 Jan 06 OH module beta test version delivered
- 15 Feb 06 First deployment of beta test version
- 1 Mar 06 Test equipment interfaces activated
- Mar 06 First users trained
- 1 Apr 06 First clinic GOes LIVE



NASA EHRS

Electronic Health Record System

EHRS Demonstration

Lake Tahoe, NV

1 July 2005

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